In [5]: ▶ data

	Passengerld	Survived	Pclass	Name	Sex	Age	SibSp	Parch	Ticket	
0	1	0	3	Braund, Mr. Owen Harris	male	22.0	1	0	A/5 21171	
1	2	1	1	Cumings, Mrs. John Bradley (Florence Briggs Th	female	38.0	1	0	PC 17599	-
2	3	1	3	Heikkinen, Miss. Laina	female	26.0	0	0	STON/O2. 3101282	
3	4	1	1	Futrelle, Mrs. Jacques Heath (Lily May Peel)	female	35.0	1	0	113803	ţ
4	5	0	3	Allen, Mr. William Henry	male	35.0	0	0	373450	
886	887	0	2	Montvila, Rev. Juozas	male	27.0	0	0	211536	
887	888	1	1	Graham, Miss. Margaret Edith	female	19.0	0	0	112053	;
888	889	0	3	Johnston, Miss. Catherine Helen "Carrie"	female	NaN	1	2	W./C. 6607	1
889	890	1	1	Behr, Mr. Karl Howell	male	26.0	0	0	111369	;
890	891	0	3	Dooley, Mr. Patrick	male	32.0	0	0	370376	
	ows × 12 colu		Ū		maio	02.0	Ū	v	0.00.0	
	1 2 3 4  886 887 888	0       1         1       2         2       3         4       5             886       887         887       888         888       889         889       890         890       891	0       1       0         1       2       1         2       3       1         3       4       1         4       5       0              886       887       0         887       888       1         888       889       0         889       890       1         890       891       0	1       2       1       1         2       3       1       3         3       4       1       1         4       5       0       3               886       887       0       2         887       888       1       1         888       889       0       3         889       890       1       1         890       891       0       3	0         1         0         3         Mr. Owen Harris Mrs. John Paradley (Florence Briggs Th           1         2         1         1         Heikkinen, Mrs. Jacques Heikhinen, Mrs. Jacques Heath (Lily May Peel)           3         4         1         1         Jacques Heath (Lily May Peel)           4         5         0         3         William Henry Henry                  886         887         0         2         Rev. Juozas           887         888         1         1         Montvila, Miss. Margaret Edith           888         889         0         3         Catherine Helen "Carrie"           889         890         1         1         Karl Howell           890         891         0         3         Mr. Patrick	0         1         0         3         Braund, Mr. Owen Harris         male Harris           1         2         1         1         Cumings, Mrs. John Bradley (Florence Briggs Th         female           2         3         1         3         Heikkinen, Miss. Female Laina         female           3         4         1         1         Futrelle, Mrs. Jacques Heath (Lily May Peel)         female           4         5         0         3         Allen, Mr. William Menry Peel)         male           886         887         0         2         Montvila, Rev. Miss. Margaret Edith         female           887         888         1         1         Miss. Margaret Edith         female Helen "Carrie"           888         889         0         3         Catherine Helen "Carrie"         female Helen "Carrie"           889         890         1         1         Karl Helen Howell         Miss. Mr. Miss. Mr. Mise. Miss. Mr. Miss. Miss. Miss. Margaret Edith           889         890         1         1         Karl Helen Howell         Mr. Miss. M	0         1         0         3         Braund, Mr. Owen Harris Mrs. John Bradley (Florence Briggs Th         cumings, Mrs. John Bradley (Florence Briggs Th         demale 38.0           2         3         1         3         Heikkinen, Mrs. Miss. Laina         female 26.0           3         4         1         1         Eutrelle, Mrs. Mrs. Jacques Heath (Lliy May Peel)         female 35.0           4         5         0         3         Allen, Mr. William Montvila, Rev. Juozas         male 27.0           886         887         0         2         Graham, Miss. Margaret Edith         female 19.0           887         888         1         1         Johnston, Miss. Catherine Helen "Carrie"         female NaN           889         890         1         1         Karl Howell         male 26.0           890         891         0         3         Behr, Mr. Mr. Patrick         male 32.0	Description   Description	0         1         0         3         Mr. Owen Harris         male         22.0         1         0           1         2         1         1         Earling Remailes (Florence Briggs Th         Female Briggs Th         1         0           2         3         1         3         Miss. Laina Miss. Laina         Female St.0         0         0         0           3         4         1         1         Futrelle, Mrs. Jacques Heath (Lily May Peel)         Female St.0         1         0           4         5         0         3         Millam, Mr. Milliam Henry         male         35.0         1         0           886         887         0         2         Rev. Juozas         male         27.0         0         0           887         888         1         1         Miss. Margaret Edith         Johnston, Miss. Margaret Edith         Johnston, Miss. Miss. Margaret Edith         Female NaN         1         2           888         889         0         3         Catherine Helen "Carrie"         Remail NaN         1         2           889         890         1         1         Karl Howell         Miss.	0         1         0         3 Mr. Owen Harris         male         22.0         1         0 A/5 21171           1         2         1         1         Earley (Florence Briggs Th         female         38.0         1         0 PC 17599           2         3         1         3 Miss. Laina         female         26.0         0         0 STON/O2. 3101282           3         4         1         1 Heikkinen, Mrs. Mrs. Heath (Lily May Peel)         female         26.0         0         0 STON/O2. 3101282           4         5         0         3 William Henry Peel)         female         35.0         1         0 113803           4         5         0         3 William Henry Peel)         male         35.0         0         0 373450           886         887         0         2 Rev. Juozas         male         27.0         0         0 211536           887         888         1         1 Miss. Miss. Miss. Miss. Edith         female         19.0         0         112053           888         889         0         3 Catherine Helen "Catrie"         Female         NaN         1         2 W/C. G607           889         890         1         Eehr, Mr. Helen Helen Helen Hele

In [6]:	data.head()	
---------	-------------	--

Out[6]:		Passengerld	Survived	Pclass	Name	Sex	Age	SibSp	Parch	Ticket	
	0	1	0	3	Braund, Mr. Owen Harris	male	22.0	1	0	A/5 21171	7.
	1	2	1	1	Cumings, Mrs. John Bradley (Florence Briggs Th	female	38.0	1	0	PC 17599	71.
	2	3	1	3	Heikkinen, Miss. Laina	female	26.0	0	0	STON/O2. 3101282	7.
	3	4	1	1	Futrelle, Mrs. Jacques Heath (Lily May Peel)	female	35.0	1	0	113803	53.
	4	5	0	3	Allen, Mr. William Henry	male	35.0	0	0	373450	8.
	4										•

In [7]: ► data.tail()

Out[7]:

	Passengerld	Survived	Pclass	Name	Sex	Age	SibSp	Parch	Ticket	Far
886	887	0	2	Montvila, Rev. Juozas	male	27.0	0	0	211536	13.0
887	888	1	1	Graham, Miss. Margaret Edith	female	19.0	0	0	112053	30.0
888	889	0	3	Johnston, Miss. Catherine Helen "Carrie"	female	NaN	1	2	W./C. 6607	23.4
889	890	1	1	Behr, Mr. Karl Howell	male	26.0	0	0	111369	30.0
890	891	0	3	Dooley, Mr. Patrick	male	32.0	0	0	370376	7.7
4										•

In [8]: ▶ data.size

Out[8]: 10692

```
In [9]:
              data.describe()
     Out[9]:
                      PassengerId
                                    Survived
                                                 Pclass
                                                              Age
                                                                       SibSp
                                                                                   Parch
                       891.000000
                                  891.000000
                                             891.000000 714.000000
                                                                   891.000000 891.000000 891.00
               count
                       446.000000
                                    0.383838
                                               2.308642
                                                         29.699118
                                                                     0.523008
                                                                                0.381594
                                                                                          32.20
               mean
                 std
                       257.353842
                                    0.486592
                                               0.836071
                                                         14.526497
                                                                     1.102743
                                                                                0.806057
                                                                                          49.69
                 min
                         1.000000
                                    0.000000
                                               1.000000
                                                          0.420000
                                                                     0.000000
                                                                                0.000000
                                                                                           0.00
                 25%
                       223.500000
                                    0.000000
                                               2.000000
                                                         20.125000
                                                                     0.000000
                                                                                0.000000
                                                                                           7.91
                       446.000000
                                               3.000000
                                                                     0.000000
                 50%
                                    0.000000
                                                         28.000000
                                                                                0.000000
                                                                                          14.45
                 75%
                                               3.000000
                       668.500000
                                    1.000000
                                                         38.000000
                                                                     1.000000
                                                                                0.000000
                                                                                          31.00
                       891.000000
                                    1.000000
                                               3.000000
                                                         80.000000
                                                                     8.000000
                                                                                6.000000 512.32
                 max
              data.info()
In [10]:
               <class 'pandas.core.frame.DataFrame'>
              RangeIndex: 891 entries, 0 to 890
              Data columns (total 12 columns):
               #
                    Column
                                   Non-Null Count
                                                    Dtype
               ---
                    -----
                                   -----
                                                     ----
               0
                    PassengerId
                                  891 non-null
                                                     int64
               1
                    Survived
                                   891 non-null
                                                     int64
               2
                    Pclass
                                   891 non-null
                                                     int64
               3
                    Name
                                   891 non-null
                                                     object
               4
                    Sex
                                   891 non-null
                                                     object
               5
                                   714 non-null
                                                     float64
                    Age
               6
                                                     int64
                    SibSp
                                   891 non-null
               7
                                                     int64
                    Parch
                                   891 non-null
               8
                                   891 non-null
                                                     object
                    Ticket
               9
                                   891 non-null
                                                     float64
                    Fare
               10
                    Cabin
                                   204 non-null
                                                     object
               11
                    Embarked
                                   889 non-null
                                                     object
              dtypes: float64(2), int64(5), object(5)
              memory usage: 83.7+ KB
In [12]:
              data.shape
    Out[12]: (891, 12)
In [13]:
              data.ndim
    Out[13]: 2
 In [ ]:
```